DOOSAN **Document Transmittal** Upper Trishuli-1 HEP (216MW)		Date 2022-07-08	DT No.: UT1-HEP-DHI-PC-D-0041	SHEET 1 OF 1
DOOSAN NEPAL BRANCH OFFICE	Address & Contact No. : Four Square Building, Naxal, Kathmandu, Nepal (P.O Box : 1387) + 977 1 692 3014	Project No. H20002	DOCUMENT DISPATCHED BY Courier Service ☐ Messenger ☐ Post-Air Freight ☐ Document System or E-mail ■ By hand ■	
DOCUMENT DISTRIBUTION	■ POWER CHINA (Subcontractor) ☐ Doosan's Site Office			
SUBJECT	Submission of Review Note RN-0147, RN-0149, RN-0150 and RN-00151			

S. N.	REVIEW NOTE NO.	REVIEW STATUS	DWG. / DOC. NO.	REV.	DWG. TITLE / DOC. DESCRIPTION	REMARK
1	RN-0147	AN	UT1-C-300-CVL-DG-60002	0B	Excavation and Support Drawings of Powerhouse Cavern (above 921.5 m)	
2	RN-0149	RR	UT1-C-010-CVL-DG-42006	0B	Reinforcement Drawing of Diversion Tunnel Lining	
3	RN-0150	RR	UT1-C-010-CVL-DG-42005	0D	Outline Drawing of Diversion Tunnel Lining	
4	RN-0151	RR	UT1-C-070-CVL-DG-59002	0A	Excavation and initial support drawings of Tailrace Tunnel	
5						
6						
7						
8						
9						
10						
11						
12						

Received by :

Date :

Legend of Review Status
A : APPROVED
AN : APPROVED AS NOTED
RR : RETURN FOR RESUBMISSION
FI : FOR INFORMATION

DHI STAMP

Issued by DHI

Youngsoo Son

Project Manager

Email: youngsoo.son@doosan.com
Doosan Enerbility Co., Ltd.

Discipline : Civil

UPPER TRISHULI-1 HEP (216MW)

Client	**Nepal Water and Energy Development Company Private Limited**
Owner's Engineer	**Tractebel Engineering GmbH / Jade Consult**

REVIEW NOTE

Contractor	**Doosan Enerbility**		
Title of the Document	Excavation and Support Drawings of Powerhouse Cavern (above 921.5 m)		
Document No.	UT1-C-300-CVL-DG-60002	Revision	0B
Date of Documents	28.06.2022	Received Date	01.07.2022
Transmittal Form No.	UT1-HEP-DHI-D-0284		
Previous Review Date/Status	15.06.2022	Prev. Review Note No.	RN-0140
Review Note No.	**RN-0147**	**Present Review Date**	**07.07.2022**
		Present Review Status	**AN**

A: Approved AN: Approved as Noted RR: Returned for Resubmission FI: For Information, only

Comments

The comments were incorporated appropriately with the exception of:

1. Drainage measures: In the roof of the Powerhouse, it is expected that few local wet or dripping patches will be observed. These can be well treated with weep holes. The water, however, shall not be dripping from the weepholes (onto the "false roof") and needs to be collected and drained along the excavation wall. Furthermore, as experienced nearby in the Ventilation Tunnel, one must expect larger and constant discharge of few litres per second along distinct flow path. Respective drainage measures need to be designed in incorporated in the drawings.
2. Specify in detail, special support at mouth of Ventilation Tunnel.

Disclaimer:

Any approval will not release the Contractor from any of his obligations under the Contract.

Dr. U. Glawe